Paper / Subject Code: 32424 / Software Engineering

1T01235 - T.E.(Information Technology Engineering)(SEM-V)(Choice Base Credit Grading System) (R-20-21) (C Scheme) / 32424 - Software Engineering
QP CODE: 10013762   DATE: 30/11/2022

[Time:3 Hrs]   [Marks:80]

Please check whether you have got the right question paper.

N.B:
    1). Question number 1 is compulsory.
    2).Attempt any three questions from the remaining.
    3).Assume suitable data wherever necessary.

Q. 1 a) Explain Evolutionary process model?   05
      b) Discuss about the principles of user interface design steps?   05
      c) Explain Mc Calls Quality factors?   05
      d) Short note on Process Metrics and project metrics.   05

Q. 2 a) What is agility? Explain Kanban model.   10
      b) Explain feasibility studies in detail.   10

Q. 3 a) Explain different architectural styles?   10
      b) Explain Risk assessment and Risk Projection.   10

Q. 4 a) Explain in details Reengineering and reverse engineering.   10
      b) What is SCM? Explain SCM Repositories.   10

Q. 5 a) Explain requirement elicitation in detail.   10
      b) Compute the function point value for a project with the following information 10
        domain characteristics:
        Number of user inputs: 32
        Number of user output: 60,
        Number of user enquiries: 24,
        Number of files: 8,
        Number of external interfaces: 2,
        Assume that all complexity adjustment value are average and $\sum fi = 40$

Q. 6 a) Explain different types of coupling and cohesion.   10
      b) Explain in detail software testing strategies.   10

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